



SWAPNROOP DRUGS & PHARMACEUTICALS

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CERTIFICATE OF ANALYSIS

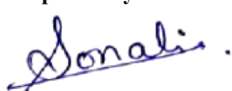
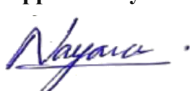
Product Name	BENAZEPRIL HYDROCHLORIDE USP	CAS No:	86541-74-4
Batch No.	2605001	Manufactured by	-
Date of Mfg.	MAY-2026	Date of Analysis	20/05/2026
Batch Quantity	-	Retest Date	APR2031

Sr No	Test	Acceptance Criteria	Results
1	Description	A white to off-white crystalline powder.	Complies
2	Solubility	Soluble in water, methanol and alcohol.	Complies
3	Identification – By IR	The Infrared spectrum of test sample should be concordant with similar preparation of that of Benazepril Hydrochloride WS	Complies
4	Identification – By HPLC	The retention time of the major peak in the chromatogram of the sample preparation corresponds to that in the chromatogram of the standard preparation, as obtained in the assay.	Complies
5	Identification – CHLORIDE TEST	Sample gives positive test for Chlorides.	Complies
6	Absorbance of solution (By UV)	Not more than 0.015	0.003
7	Absorptivity (By UV)	Between 21.0 and 23.2	22.08
8	Loss on drying (at 105°C for 3 hrs.)	Not more than 1.5% w/w	0.69% w/w
9	Residue on Ignition	Not more than 0.1% w/w	0.07% w/w
10	Related compounds (By HPLC) Test-1	Related Compound A NMT 0.1%	0.01%
11	(By HPLC) Test-2 Related Compound B	NMT 0.1%	0.01%
12	(By HPLC) Test-2 Related Compound C	NMT 0.5%	0.01%
13	(By HPLC) Test-2 Related Compound D	NMT 0.3%	0.01%
14	(By HPLC) Test-2 Related Compound E	NMT 0.2%	Not detected
15	(By HPLC) Test-2 Related Compound F	NMT 0.2%	0.01%
16	(By HPLC) Test-2 Related Compound G	NMT 0.2%	Below detection limit
17	(By HPLC) Test-2 Related Compound Any other single Impurity	NMT 0.2%	0.03%

Sr No	Test	Acceptance Criteria	Results
18	(By HPLC) Test-2 Total impurities	NMT 2.0%	0.13%
19	Assay (By-HPLC)	Not less than 98.0% and not more than 102.0% on dried basis.	100.20%
20	Organic volatile impurities (Residual solvents) (By HSGC) Acetone	NMT 1000 ppm	Not Detected
21	Organic volatile impurities (Residual solvents) (By HSGC) Isopropyl alcohol	NMT 5000 ppm	Not Detected
22	Organic volatile impurities (Residual solvents) (By HSGC) Methylene chloride	NMT 600 ppm	Not Detected
23	Organic volatile impurities (Residual solvents) (By HSGC) n-Hexane NMT	NMT 290 ppm	Not Detected
24	Organic volatile impurities (Residual solvents) (By HSGC) Ethyl Acetate	NMT 5000 ppm	Not Detected
25	Organic volatile impurities (Residual solvents) (By HSGC) Toluene	890 ppm	Not Detected

Storage: Store in air tight container below room Temperature

Conclusion: Product Complies as per above Specifications

Prepared By  Sonali Nirmal Date: 23/05/2026	Checked by  Dadarao Kakde Date: 23/05/2026	Approved By  Nayna Nehete Date: 23/05/2026 
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